

## WE CLAIM

- Sub 012
1. A method of manufacturing a photoluminescent track for an emergency lighting system comprising providing an elongate hollow outer member and an elongate inner member having photoluminescent material on at least one side, and push-fitting said inner member in said outer member from one end.
  2. A method according to claim 1 wherein said outer member is made of a light transmitting material.
  3. A method according to claim 2 wherein said outer member is made of transparent or translucent plastics.
  4. A method according to claim 1 wherein said inner member is sufficiently rigid to be push fitted in said outer member.
  5. A method according to claim 4 wherein said inner member is made of metal coated on at least one side with photoluminescent material.
  6. A method according to claim 1 wherein said outer member is formed with an internal longitudinal slot for inserting said inner member.
  7. A method according to claim 6 further including sealing said inner member within said slot.
  8. A method according to claim 1 wherein said inner member is removable from said outer member.
  9. A method according to claim 1 wherein said track can be laid to present either one of two major surfaces of said outer member uppermost
- Sub 012

with said photoluminescent material of said inner member disposed to  
 emit light through said uppermost surface.

10. A method according to claim 9 wherein said inner member has  
 5 photoluminescent material on one side only and is reversible to present  
 said photoluminescent side uppermost in both orientations of said track.

11. A method according to claim 9 wherein said inner member has  
 photoluminescent material on both sides.

10

12. A method according to claim 1 wherein said outer member is  
 compressed in a direction transverse to its length after said inner member  
 has been inserted to reduce the depth of said track.

15 13. A method according to claim 12 wherein said assembled track is  
 passed between a pair of pressure rollers engaging said top and bottom  
 surfaces of said outer member.

20 14. A method according to claim 12 wherein said compression is  
 applied across the full width of said track.

15. A method according to claim 12 wherein said compression is  
 restricted to side edge regions of said track.

25 16. A method according to claim 12 wherein said track is pre-heated  
 prior to compressing said outer member.

17. A method according to claim 12 wherein said track is cold formed  
 by compressing said outer member without pre-heating.

30

18. A method according to claim 12 including applying formations to the surface of said track on at least one side when compressing said outer member.

5 19. A method according to claim 18 wherein said formations comprise ribs in the surface of said outer member.

142 20. A method according to claim 19 wherein said formations are decorative and/or provide said track with an anti-slip surface.

10

21. A photoluminescent track for an emergency lighting system comprising an elongate hollow outer member having first and second major wall portions connected by opposed side wall portions to define a longitudinally extending slot, and an elongate inner member extending lengthwise of said slot and having photoluminescent material on one side covered by one of said major wall portions of said outer member, wherein said inner member is a push-fit from one end of said slot for assembly of said track, and said one major wall portion of said outer member is made of a material to transmit light emitted by said photoluminescent material.







20

22. A photoluminescent track according to claim 21 wherein a closure is attached to said outer member to seal said slot and retain said inner member within said outer member.

25 23. A photoluminescent track according to claim 22 wherein said  
closure comprises an end cap that can be removed if it is desired to  
remove said inner member.

24. A photoluminescent track according to claim 21 wherein said inner  
30 member is the same or substantially the same length as said outer  
member.

Sub A42

Structure	Ref.	Yield, %	mp, °C	lit. mp, °C	ANAL.
	11	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%
	12	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%
	13	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%
	14	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%
	15	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%
	16	100	112	112	C, 60.0%; H, 6.6%; O, 33.4%

25. A photoluminescent track according to claim 24 wherein said inner member is substantially the same width as said outer member.

5 26. A photoluminescent track according to claim 21 wherein said outer member is made of transparent or translucent plastics material.

27. A photoluminescent track according to claim 21 wherein said inner member comprises a base sheet provided with photoluminescent material  
10 on at least one side and an optional fluid protective cover layer on top of said photoluminescent material.

28. A photoluminescent track according to claim 27 wherein said inner member has photoluminescent material on both sides of said base sheet.  
15

29. A photoluminescent track according to claim 21 wherein said outer member is symmetrical enabling said outer member to be laid either way up.

20 30. A photoluminescent track according to claim 21 wherein said major wall portions of said outer member have substantially planar outer surfaces.

31. A photoluminescent track according to claim 21 wherein said outer  
25 surface of at least that major wall portion overlaying said photoluminescent material is provided with formations having anti-slip characteristics.

32. A photoluminescent track according to claim 31 wherein said  
30 formations are restricted to side edge regions of said outer surface.

000404 072204 002204

546 957 / 100

33. A photoluminescent track according to claim 32 wherein said formations comprise a series of axially spaced transverse ribs of v-shape.

34. A photoluminescent track according to claim 21 wherein said  
5 assembled track is subjected to a post forming operation to compress said outer member in a direction transverse to the length and thereby reduce the depth of said track.

35. In or for an aircraft having rows of seats on each side of an aisle  
10 and a photoluminescent track extending along each side of said aisle at or near floor level, at least one row including a demountable multi-seat unit on at least one side of said aisle such that the width of said aisle may be altered by fitting any selected one of a plurality of demountable multi-seat  
15 units of different width, wherein a photoluminescent track is provided on that side of the multi-seat unit which, in use, is arranged adjacent to said aisle.